

11-13

Notice of Allowability	Application No.	Applicant(s)	
	10/647,236	LIN ET AL.	
	Examiner	Art Unit	
	Karabi Guharay	2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment, filed on 7/01/05.
2. ☒ The allowed claim(s) is/are 9-15.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|--|---|

Election/Restrictions

Applicant's election without traverse of Group II including claims 9-15, in the reply filed on 01 July 2005 is acknowledged.

Non-elected claims 1-8 are cancelled.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. J. Ernest Kenney on 9/12/05.

The application has been amended as follows:

In the Abstract

On line 6, the word "absorption" has been replaced by -----adsorption -----

In the Specification

On page 5, line 14, the word "absorb" has been replaced by -----adsorb -----

On page 8, line 1, the word "absorb" has been replaced by -----adsorb -----

On page 8, line 16, "52" occurring after "the clipping arm" has been deleted,

On page 8, line 22, "54" occurring after "the supporting spacer" has been deleted and the word "absorbs" has been replaced by -----adsorbs -----

On page 9, line 1, the word "absorb" has been replaced by -----adsorb -----

On page 9, line 3, "55" has been deleted,

On page 9, the amended paragraph (bridging page 9 and 10) submitted on 07/01/05, has been replaced by the following text;

-----The above is the description of the supporting spacer clipping structure for the field emission display according to the present invention. In the practical application, the inventive supporting spacer is a rectangle-shaped structure or a cross-shaped structure where an extending arm is installed on the rectangle-shaped structure to be clipped by the clipping arm for positioning. In addition, because the clipping arm clips the supporting spacer by the plurality of adsorption openings, the adsorption openings adsorb the supporting spacer by vacuum-adsorption. Therefore, compared with the prior art, the supporting spacer will not be damaged by the mechanical stress. Because one field emission display has many field emission display units, the monitoring lens of the invention further performs a process of pre-position-aligning so as to promote the efficiency of positioning supporting spacer, and the monitoring lens will monitor the entire process so as to make it efficient to position the supporting spacer in the required place -----.

In the drawings

In Fig 5, "Absorb the supporting pillar" has been replaced by -----Adsorb the supporting spacer -----, and "embed the supporting pillar" has been replaced by ----- Embed the supporting spacer-----.

In the claims

In claim 9

On line 8, "absorbing" has been replaced by -----adsorbing -----

On line 9, "absorbing" has been replaced by -----adsorbing -----

On line 12, "absorbing" has been replaced by -----adsorbing -----

In claim 10

On line 2, "absorbing" has been replaced by -----adsorbing -----

In claim 11

On line 3, "composed by" is replaced by ----- composed of -----

Claim 12 has been replaced by the following text;

----- The supporting spacer mounting method for the field emission display of claim 9, wherein in the step of adsorbing the supporting spacer, the employed supporting spacer has a cross-shaped structure or having at least one joining seam.-----

In claim 13

On line 1; "a" has been replaced by ----the----,

On line 4, "absorbing" has been replaced by ---adsorbing-----

In claim 14

On line 3, "install" has been replaced by -----installed-----.

Allowable Subject Matter

Claims 9-15 are allowed over the prior art of record.

Examiner's Reasons for Allowance

The following is an examiner's statement of reason for allowance:

Regarding claim 9, the prior art of record neither shows nor suggests a method of mounting a supporting structure for a field emission display comprising all the limitations set forth in claim 9, particularly comprising the limitations of adsorbing a supporting spacer, moving the clipping arm to the supporting spacer and performing a preliminary position aligning by using a positioning slot, and adsorbing the supporting spacer by using a plurality of adsorption openings installed on the positioning slot.

Claims 10-15 are allowed being dependent of allowed base claim 9.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Other Prior Art Cited

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure :

Jung et al. (US 6593682); discloses cross shaped spacers, however, method of mounting is applying spacer fixing frame on the substrate then using adhesive for attaching spacer structure to the frame.

Art Unit: 2879

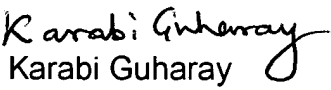
Na (US 6312302); Teaches cross-shaped spacers and spacers are mounted on the substrate by fitting in the spacer grooves formed on the substrates or plates.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karabi Guharay whose telephone number is (571) 272-2452. The examiner can normally be reached on Monday-Friday 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Karabi Guharay
Primary Examiner
Art Unit 2879

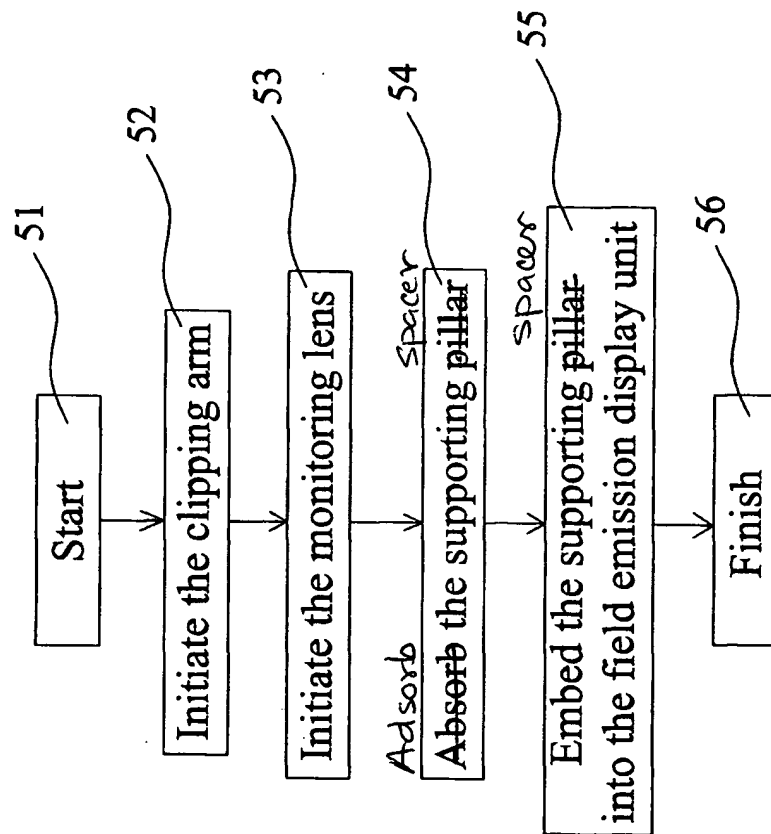


Fig. 5